

TO: Eric Sandin, GEF II, Geo/8

Groundwater Use Registry Buckslip

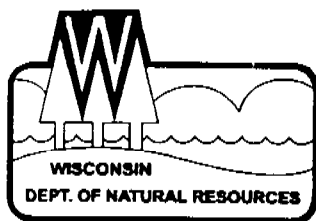
Site Name Chicago Pub, Inc
Address Hwy W
Winchester, WI 54567
BRRTS # 03-64-000456
GPS Location: _____ latitude _____ longitude _____
Date of Closure Decision 7/27/98

Required

- ☒ Closure Letter
- ☐ Deeds for all properties with ES exceedance in Groundwater (RECORDED GWR)
- ☐ GPS location (latitude and longitude)
- ☒ Location map
- ☒ Detailed Site Map
- ☒ Groundwater Flow Direction Diagram including location of monitoring wells and all drinking water wells
- ☐ Latest Groundwater Plume Map with Groundwater Flow Direction
- ☒ Latest Table of Analytical Results for Groundwater

If Available, include the following:

- ☐ Metes and Bounds Legal Description
- ☐ Tax Parcel Number
- ☒ Geologic cross sections showing soil and groundwater contaminant source extent and location, isoconcentrations for all groundwater contaminants that exceed NR 140 enforcement standards, water table and piezometric elevations, and the extent, location and elevation of geologic units, bedrock, and confining unites



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
William H. Smith, Regional Director

Northern Region Headquarters
107 Sutliff Ave.
Rhinelander, Wisconsin 54501-0818
Telephone 715-365-8900
FAX 715-365-8932
TDD 715-365-8957

April 30, 1998

Mr. Donald Melzer
Chicago Pub
P.O. Box 828
Winchester, WI 54567

NOR #03-64-000456

Subject: Chicago Pub, Hwy W, Winchester, WI.

Dear Mr. Melzer:

The Department of Natural Resources provided a notice to you that the degree and extent of petroleum contamination at the above-named site was required to be investigated and remediated. We have since been informed that the required investigation and remediation has been accomplished.

On April 30, 1998, the above-named site was reviewed by the Northern Region Closeout Committee for a determination as to whether or not the case qualified for close out under ch. NR 726, Wis. Adm. Code.

Based on the investigative and remedial documentation provided to the Department, it appears that the petroleum contamination at the above-named site has been remediated to the extent practicable under current site conditions. Therefore, the Department considers the case "closed," having determined that no further action is necessary on the site at this time. However, due to the presence of residual contamination remaining in the groundwater, a condition of the closeout of the case is that the owner sign and record a Groundwater Use Restriction for the property within 30 days after receipt of this letter.

Enclosed is an example of a Groundwater Use Restriction. Please draft a specific Groundwater Use Restriction for this site and submit the draft to me. Department of Natural Resources attorneys will review the draft and return it to you with revisions. After you have made the revisions, you may sign and record the restriction with the Vilas County Register of Deeds. To document that this condition has been complied with, the property owner must submit to the Department a copy of the recorded Groundwater Use Restriction, with the recording information stamped on it, within 15 days after the County Register of Deeds returns the Groundwater Use Restriction to the property owner. The Groundwater Use Restriction may be amended in the future with the approval of DNR if conditions change at the site and the residual contamination is remediated.

Please note that this case closure is contingent upon proper documentation of proper abandonment of the monitoring wells on site. If monitoring wells remain at this site, please provide the documentation that this action has been completed, or have your consultant do so. The documentation can be sent to my attention at the above address.



Quality Natural Resources Management
Through Excellent Customer Service



If you have any questions, please call me at 715-365-8996.

Sincerely,
NORTHERN REGION

A handwritten signature in black ink, appearing to read "Marina A. Benoy". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Marina A. Benoy
Case Closeout Committee

cc: Chuck Weister, DNR
Scott McKittrick, Fluid Management, Inc., P.O. Box 90, Pewaukee, WI 53072
File

JUL 08 1998

8:00am

Donald Richter
REGISTER OF DEEDS, VILAS CO., WI

GROUNDWATER USE RESTRICTION

Declaration of Restrictions

In Re: The East 400.0 feet of Lot 7 of TURTLE LAKE LUMBER COMPANY'S SUBDIVISION, being a part of government Lots 1,2, and 3 of Section 8 and part of the Northwest quarter of the northwest quarter (NW-NW) of Section 9, all in Township 43 North, Range 5 East of the Fourth Principal Meridian, Winchester, Vilas County, Wisconsin, as the same appears of record in Volume 4 of Plats, page 10, EXCEPTION THEREFROM any portion thereof which may lie within the boundaries of the premises described in the warranty deed recorded in Volume 166 of Deeds, page 118, Document #113181.

STATE OF WISCONSIN

COUNTY OF VILAS

WHEREAS, Donald and Charlotte Melzer are owners of the above described property.

WHEREAS, one or more Petroleum Volatile Organic Compound (PVOC) discharges have occurred at this property. PVOC contaminated groundwater above NR 140 enforcement standards exists on this property at the following location: benzene at a concentration of 150 parts per billion on October 7, 1997, in a sample collected from monitoring well MW-21. MW-21 is located approximately 40 feet W/NW from the corner of Highway W and Chicago Avenue.

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct additional soil or groundwater remediation activities on the property at the present time;

WHEREAS, natural attenuation has been approved by the Department of Natural Resources to remediate groundwater exceeding ch. NR 140 groundwater standards within the boundaries of this property.

WHEREAS, construction of wells where the water quality exceeds the drinking water standards in ch. NR 809 is restricted by ch. NR 811 and ch. NR 812. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply.

Donald Melzer 12:30
402 001828
Winchester, WI 54557

NOW THEREFORE, the owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitation and restrictions:

Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor, to determine what specific prohibitions or requirements are applicable prior to construction or reconstructing a well on this property. No well may be constructed or reconstructed on this property unless applicable requirements are met.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction benefits and is enforceable by, the Wisconsin Department of Natural Resources, its successors and assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that the restrictions set forth in this covenant are no longer required. Upon receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished, an affidavit can be recorded to give notice that this groundwater use restriction is no longer binding.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 26th day of June, 1998.

Signature: Charlotte L. Melzer

Printed Name: CHARLOTTE L. MELZER

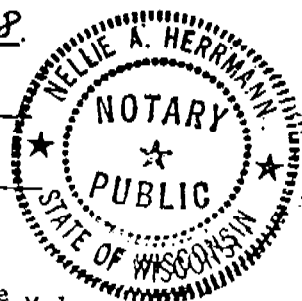
Subscribed and sworn to before me

this 26 day of JUNE, 1998.

Vilas
Notary Public, State of WISCONSIN

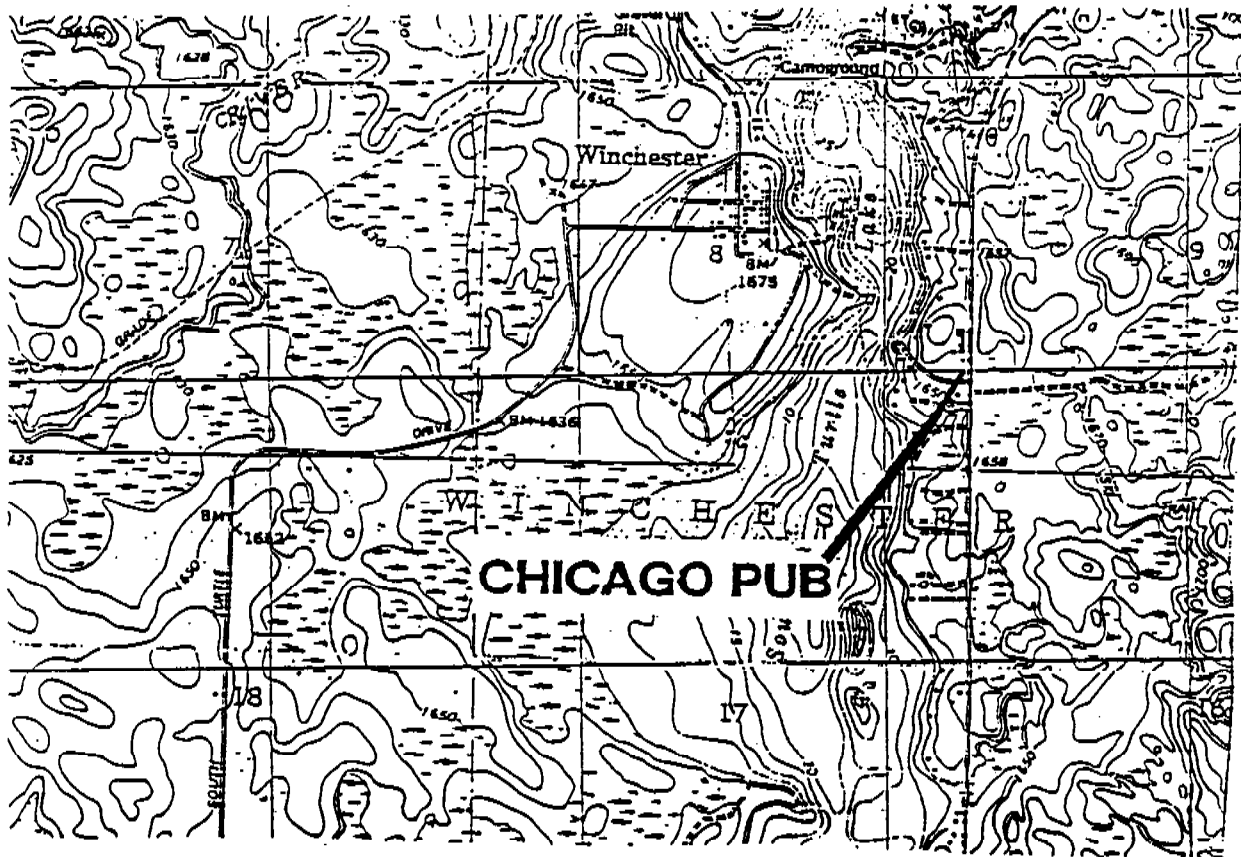
My commission 10-24-98

Nellie A. Herrmann



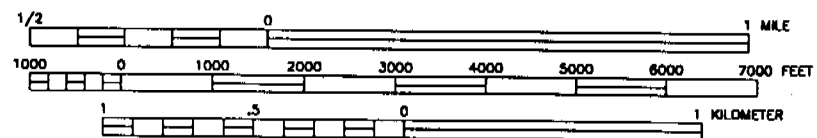
This instrument drafted by Donald & Charlotte Melzer.

DRAWING NO. 96.531.6
 LME
 12/12/97
 CHECKED BY: [Signature]
 APPROVED BY: [Signature] 1/1/98



(UNITED STATES GEOLOGICAL SURVEY. 1981, WINCHESTER QUADRANGLE. WISCONSIN MAP. 7.5 MINUTE SERIES.)

SCALE
1:24000



CONTOUR INTERVAL 10 FEET



LOCATION

Site Location Map
Chicago Pub, Inc. Site
Winchester, Wisconsin

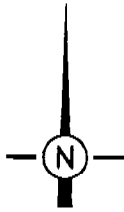
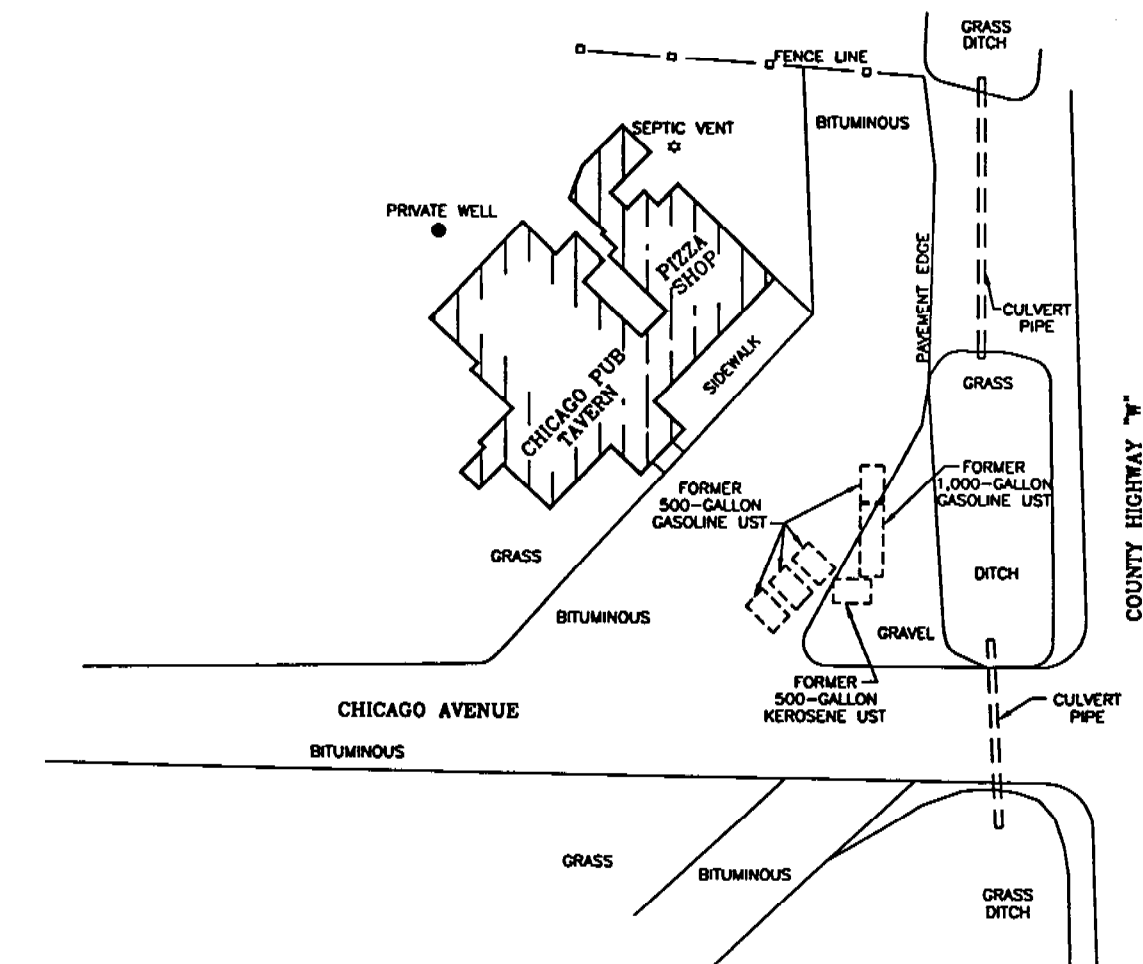


FIGURE NO.

1

THE INTERPRETATIONS IN THIS FIGURE ARE BASED ON KNOWN POINTS IN TIME AND SPACE AND ARE INTEGRAL TO A WRITTEN REPORT AND SHOULD BE REVIEWED IN THAT CONTEXT.

DRAWING NO. 92.504X22
 PAO 3/28/97
 CHECKED BY: GWS
 APPROVED BY: PUM
 4/24/97



Site Plan View
 Chicago Pub, Inc. Site
 Winchester, Wisconsin

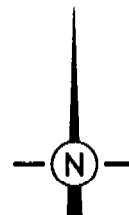




FIGURE NO.

2.2

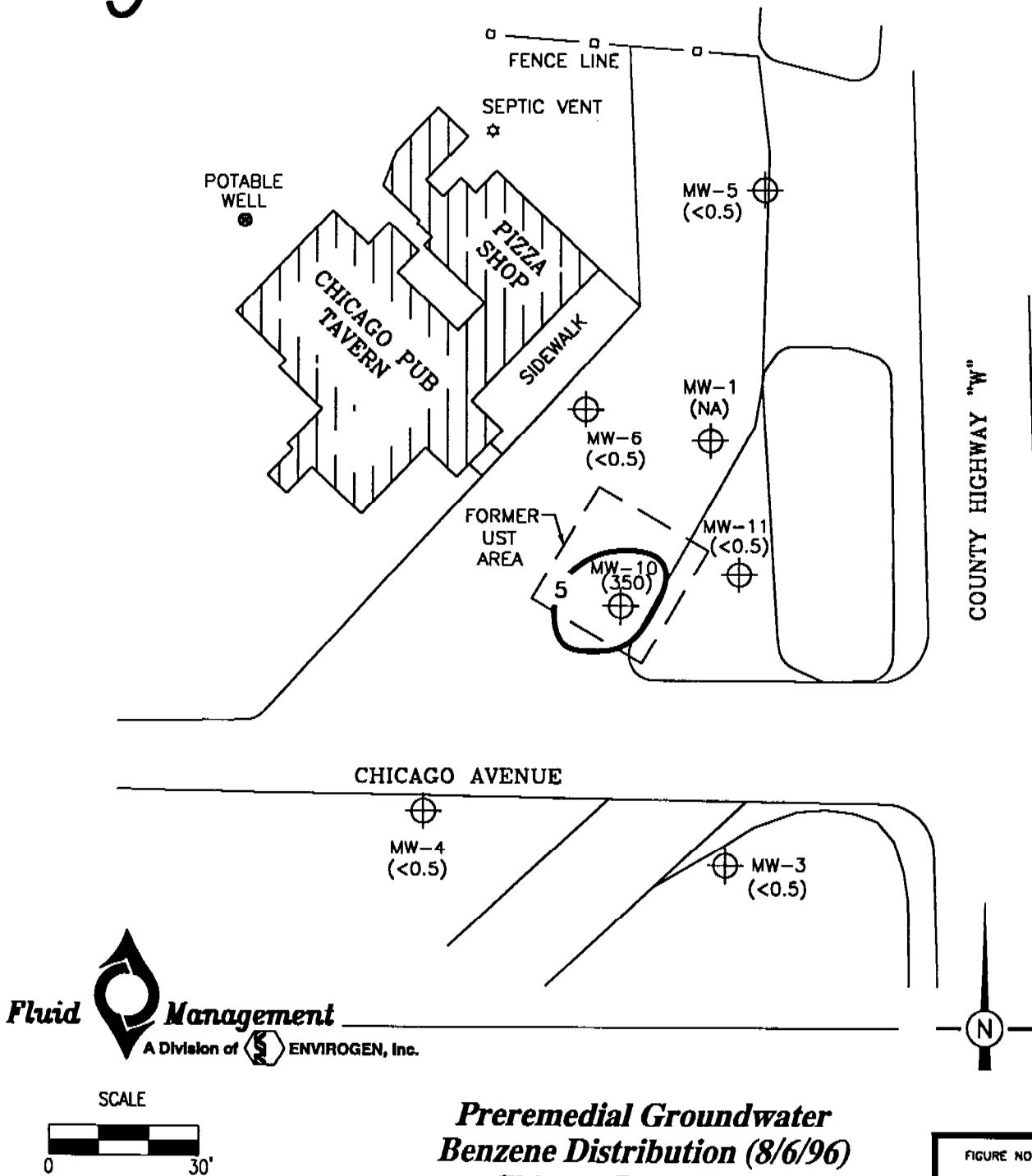
THE INTERPRETATIONS IN THIS FIGURE ARE BASED ON KNOWN POINTS IN TIME AND SPACE AND ARE INTEGRAL TO A WRITTEN REPORT AND SHOULD BE REVIEWED IN THAT CONTEXT.

DRAWING NO. 92.504.14
 DRAWN BY: LME
 12/12/97
 CHECKED BY: SMY
 1/12/97
 APPROVED BY: PWT
 1/14/98

LEGEND

-  MONITORING WELL
- () CONCENTRATION IN ppb
-  5 ISOCONCENTRATION CONTOUR

NOTE: THE NR140 ENFORCEMENT STANDARD FOR BENZENE IS 5 ppb.



Fluid Management
 A Division of  ENVIROGEN, Inc.

**Preremedial Groundwater
 Benzene Distribution (8/6/96)
 Chicago Pub, Inc. Site
 Winchester, Wisconsin**

FIGURE NO.
9

THE INTERPRETATIONS IN THIS FIGURE ARE BASED ON KNOWN POINTS IN TIME AND SPACE AND ARE INTEGRAL TO A WRITTEN REPORT AND SHOULD BE REVIEWED IN THAT CONTEXT.

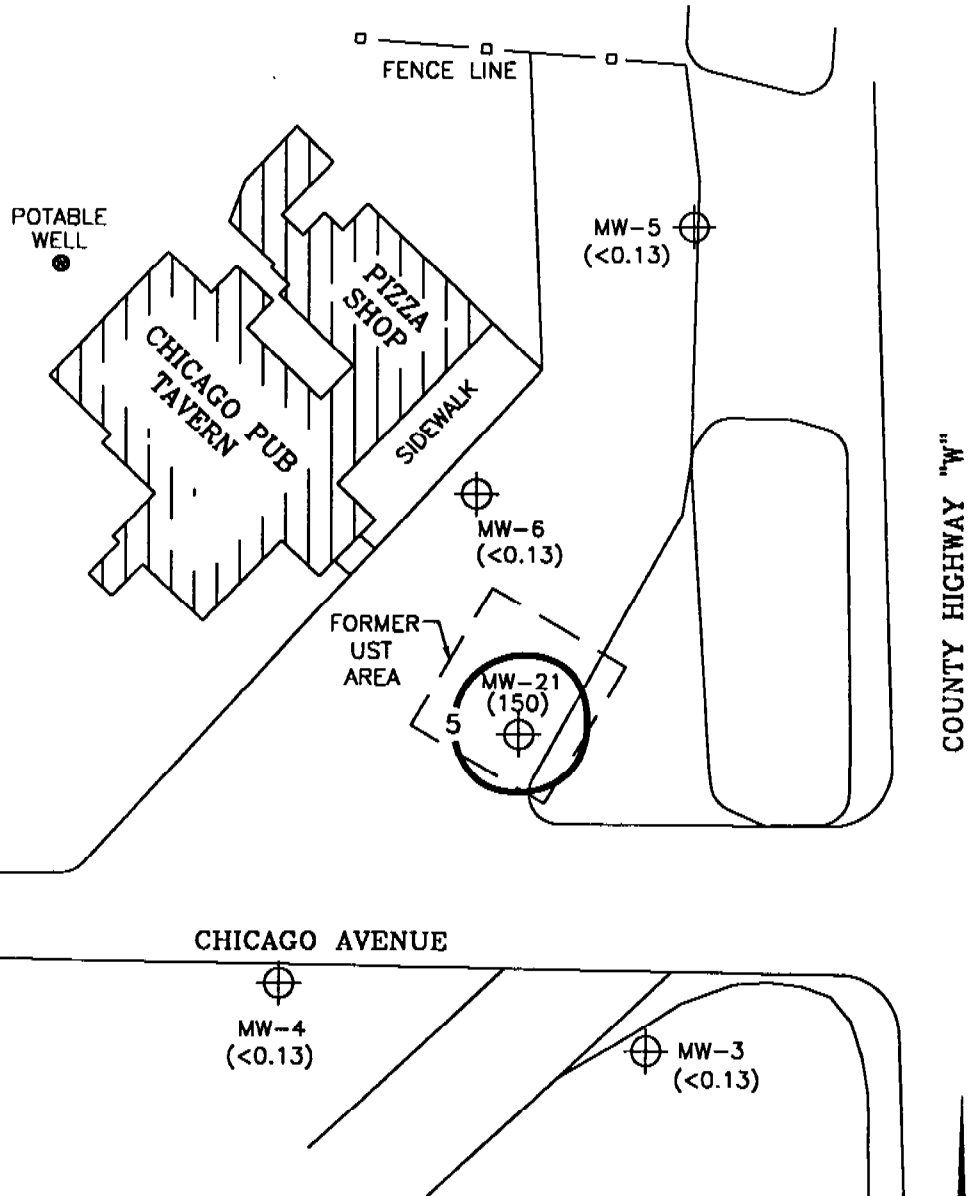
LEGEND

⊕ MONITORING WELL

() CONCENTRATION IN ppb

5.0 ISOCONCENTRATION CONTOUR

NOTES: THE NR140 ENFORCEMENT STANDARD FOR BENZENE IS 5 ppb.
MONITORING WELL MW-10 WAS REPLACED BY MW-21 ON 5/29/97.



Fluid Management
A Division of  **ENVIROGEN, Inc.**

SCALE



**Groundwater
Benzene Distribution (10/7/97)
Chicago Pub, Inc. Site
Winchester, Wisconsin**

FIGURE NO.

10

THE INTERPRETATIONS IN THIS FIGURE ARE BASED ON KNOWN POINTS IN TIME AND SPACE AND ARE INTEGRAL TO A WRITTEN REPORT AND SHOULD BE REVIEWED IN THAT CONTEXT.

1/14/98

APPROVED BY: 

1/12/97

CHECKED BY: 

1/5/98

LME

DRAWN BY:

92.504.15

DRAWING NO.

DRAWING NO. 92.504.16
 DRAWN BY: LME
 1/5/98
 CHECKED BY: JPM
 1/12/97
 APPROVED BY: DMM
 1/14/98

LEGEND

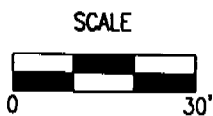
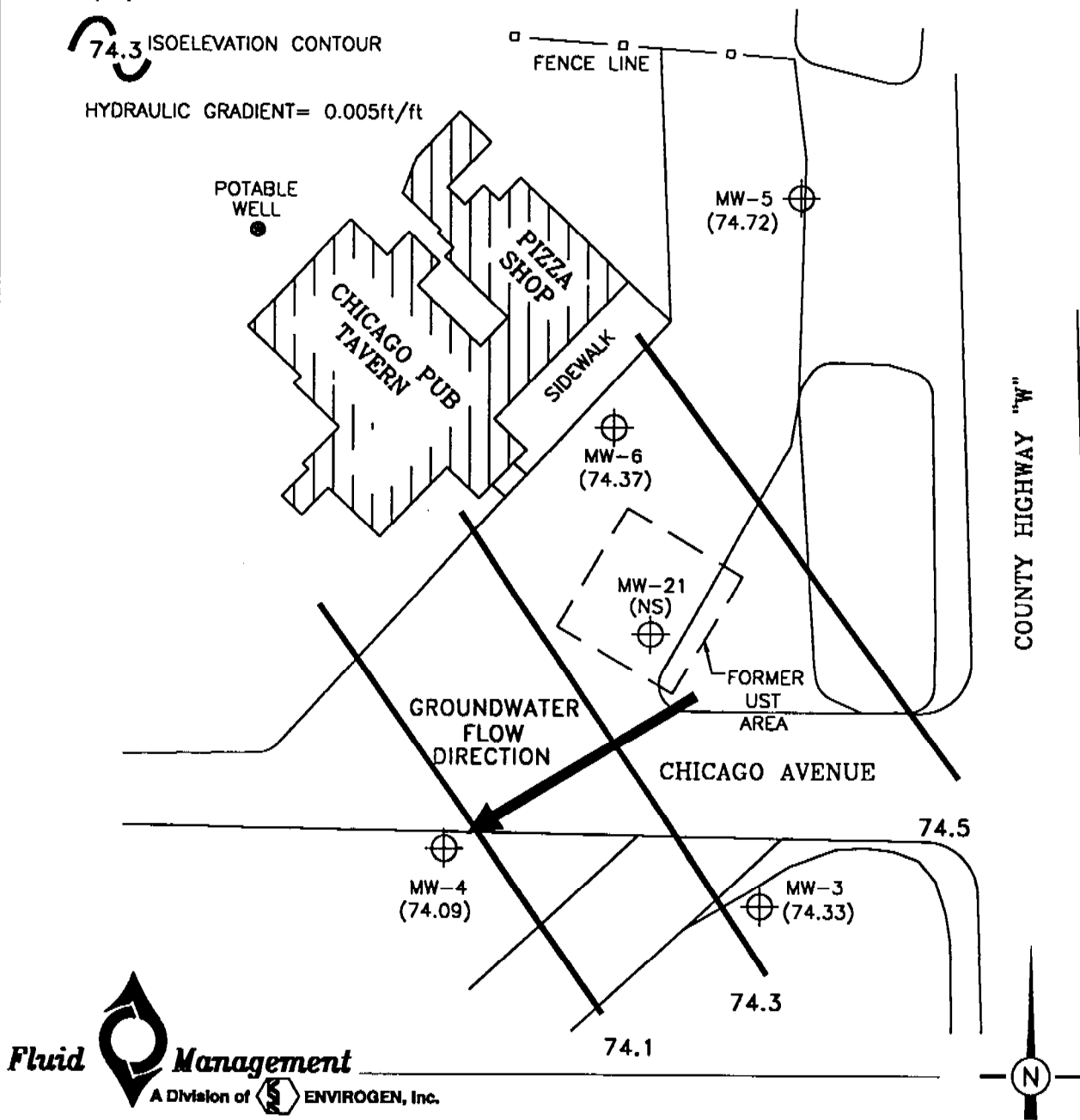
⊕ MONITORING WELL

() ELEVATION IN FEET RELATIVE TO A BENCHMARK

(NS) NOT SURVEYED

74.3 ISOELEVATION CONTOUR

HYDRAULIC GRADIENT= 0.005ft/ft



**Potentiometric Surface Map
(10/7/97)**

**Chicago Pub, Inc. Site
Winchester, Wisconsin**

FIGURE NO.

11

THE INTERPRETATIONS IN THIS FIGURE ARE BASED ON KNOWN POINTS IN TIME AND SPACE AND ARE INTEGRAL TO A WRITTEN REPORT AND SHOULD BE REVIEWED IN THAT CONTEXT.

TABLE 4

**Groundwater Analytical Results
Chicago Pub, Inc. Site
Winchester, Wisconsin**

| MW-3 | 05/12/94 | <0.05 | <0.10 | <1 | <1 | <1 | <3 | <0.003 |
|------|----------|-------|-------|-------|-------|-------|-------|---------|
| | 08/30/97 | NA | NA | NA | NA | NA | NA | NA |
| | 10/25/94 | <0.05 | NA | <1 | 1.2 | <1 | 4.8 | NA |
| | 05/11/95 | <0.05 | NA | <1.0 | <1.0 | <1.0 | <3.0 | NA |
| | 10/04/95 | NA | NA | <0.50 | <1.0 | <1.0 | <3.0 | NA |
| | 08/06/96 | NA | NA | <0.50 | <1.0 | <1.0 | <3.0 | NA |
| | 11/18/96 | NA | NA | <0.5 | <0.5 | <1.0 | <3.0 | NA |
| | 06/04/97 | <0.05 | NA | <0.13 | <0.22 | <0.2 | <0.23 | NA |
| | 07/28/97 | <0.05 | NA | <0.13 | <0.22 | <0.2 | <0.23 | NA |
| | 10/07/97 | <0.05 | NA | <0.13 | <0.22 | <0.2 | <0.23 | NA |
| MW-4 | 05/12/94 | NA | NA | NA | NA | NA | NA | NA |
| | 08/30/94 | <0.05 | <0.10 | <1.0 | <1.0 | <1.0 | <3.0 | <0.0015 |
| | 10/25/94 | <0.05 | NA | <1.0 | <1.0 | <1.0 | <3.0 | NA |
| | 05/11/95 | <0.05 | NA | <1.0 | <1.0 | <1.0 | <3.0 | NA |
| | 10/04/95 | NA | NA | <0.50 | <1.0 | <1.0 | <3.0 | NA |
| | 08/06/96 | NA | NA | <0.5 | <1.0 | <1.0 | <3.0 | NA |
| | 11/18/96 | NA | NA | <0.5 | <1.0 | <1.0 | <3.0 | NA |
| | 06/04/97 | <0.05 | NA | <0.13 | <0.22 | <0.20 | <0.23 | NA |
| | 07/28/97 | <0.05 | NA | <0.13 | <0.22 | <0.20 | <0.23 | NA |
| | 10/07/97 | <0.05 | NA | <0.13 | <0.22 | <0.20 | <0.23 | NA |

(Continued)

Notes:

GRO: Gasoline range organics
DRO: Diesel range organics
NA: Not analyzed
NS: No standard

Checked by: SAM
Approved by: PMA

TABLE 4 (Continued)

**Groundwater Analytical Results
Chicago Pub, Inc. Site
Winchester, Wisconsin**

| Well | Date | GRO (ppb) | DRO (ppm) | Benzene (ppb) | 1,4-Dichlorobenzene (ppb) | Toluene (ppb) | Xylenes (ppb) | Sum of GROs (ppb) |
|------|----------|--------------|--------------|------------------|------------------------------|------------------|------------------|----------------------|
| MW-5 | 05/12/94 | <0.05 | <0.10 | <1.0 | <1.0 | <1.0 | <3.0 | <0.0030 |
| | 08/30/97 | <0.05 | <0.10 | <1.0 | <1.0 | <1.0 | <3.0 | <0.0015 |
| | 10/25/94 | <0.05 | NA | <1.0 | <1.0 | <1.0 | <3.0 | NA |
| | 05/11/95 | <0.05 | NA | <1.0 | <1.0 | <1.0 | <3.0 | NA |
| | 10/04/95 | NA | NA | <0.50 | <1.0 | <1.0 | <3.0 | NA |
| | 08/06/96 | NA | NA | <0.5 | <1.0 | <1.0 | <3.0 | NA |
| | 11/18/96 | NA | NA | <0.5 | <1.0 | <1.0 | <3.0 | NA |
| | 06/04/97 | <0.05 | NA | <0.13 | <0.22 | <0.20 | <0.23 | NA |
| | 07/28/97 | <0.05 | NA | <0.13 | <0.22 | <0.20 | <0.23 | NA |
| | 10/07/97 | <0.05 | NA | <0.13 | <0.22 | <0.20 | <0.23 | NA |
| MW-6 | 05/12/94 | <0.05 | <0.10 | <1.0 | <1.0 | <1.0 | <3.0 | <0.0030 |
| | 08/30/94 | <0.05 | <0.10 | <1.0 | <1.0 | <1.0 | <3.0 | <0.0015 |
| | 10/25/94 | <0.05 | NA | <1.0 | <1.0 | <1.0 | <3.0 | NA |
| | 05/11/95 | <0.05 | NA | <1.0 | <1.0 | <1.0 | <3.0 | NA |
| | 10/04/95 | NA | NA | <0.50 | <1.0 | <1.0 | <3.0 | NA |
| | 08/06/96 | NA | NA | <0.5 | <1.0 | <1.0 | <3.0 | NA |
| | 11/18/96 | NA | NA | <0.5 | <1.0 | <1.0 | <3.0 | NA |
| | 06/04/97 | <0.05 | NA | <0.13 | <0.22 | <0.20 | <0.23 | NA |
| | 07/28/97 | <0.05 | NA | <0.13 | <0.22 | <0.20 | <0.23 | NA |
| | 10/07/97 | <0.05 | NA | <0.13 | <0.22 | <0.20 | <0.23 | NA |

(Continued)

Notes:

GRO: Gasoline range organics

DRO: Diesel range organics

NA: Not analyzed

NS: No standard

Checked by: SAMApproved by: DM

TABLE 4 (Continued)

Groundwater Analytical Results
Chicago Pub, Inc. Site
Winchester, Wisconsin

| Well | Date | GRO (ppb) | DRO (ppb) | Benzene (ppb) | 1,1,1-trichloroethane (ppb) | Toluene (ppb) | Xylenes (ppb) | Lead (ppb) |
|-------------------------------------|----------|--------------|--------------|------------------|--------------------------------|------------------|------------------|---------------|
| MW-10* (MW-21) excavation | 05/12/94 | 1,500 | 0.77 | 80 | 49 | 250 | 250 | <0.0030 |
| | 08/30/97 | <0.05 | 1.9 | 66 | 2.1 | 6.4 | 11 | <0.0015 |
| | 10/25/94 | 5,100 | NA | 70 | 240 | 310 | 100 | NA |
| | 05/11/95 | 270 | NA | 21 | 9.9 | 4.9 | 24 | NA |
| | 10/04/95 | NA | NA | 38 | 14 | 2.0 | 30 | NA |
| | 08/06/96 | NA | NA | 50 | 62 | 59 | 220 | NA |
| | 11/18/96 | NA | NA | 40 | 29 | 19 | 73 | NA |
| | 06/04/97 | 0.70 | NA | 23 | 5.7 | 29 | 55 | NA |
| | 07/28/97 | 0.63 | NA | 40 | 10 | 59 | 89 | NA |
| | 10/07/97 | 0.75 | NA | 50 | 13 | 34 | 84 | NA |
| MW-11 | 05/12/94 | <0.05 | <0.10 | <1.0 | <1.0 | <1.0 | <3.0 | <0.0030 |
| | 08/30/94 | <0.05 | <0.10 | <1.0 | <1.0 | <1.0 | <3.0 | <0.0015 |
| | 10/25/94 | <0.05 | NA | <1.0 | <1.0 | <1.0 | <3.0 | NA |
| | 05/11/95 | <0.05 | NA | <1.0 | <1.0 | <1.0 | <3.0 | NA |
| | 10/04/95 | NA | NA | <0.50 | <1.0 | <1.0 | <3.0 | NA |
| | 08/06/96 | NA | NA | <0.5 | <1.0 | <1.0 | <3.0 | NA |
| | 11/18/96 | NA | NA | <0.5 | <1.0 | <1.0 | <3.0 | NA |
| | 06/04/97 | NA | NA | NA | NA | NA | NA | NA |
| | 07/28/97 | NA | NA | NA | NA | NA | NA | NA |
| | 10/07/97 | NA | NA | NA | NA | NA | NA | NA |
| NR 140 Enforcement Standard | | NS | NS | 5.0 | 700 | 343 | 620 | 0.015 |
| NR 140 Preventive Action Limit | | NS | NS | 0.5 | 140 | 68.6 | 140 | 0.0015 |

Notes:



Shading indicates value equals or exceeds the NR 140 enforcement standard

Cross hatching indicates value equals or exceeds the NR 140 preventive action limit

GRO: Gasoline range organics

DRO: Diesel range organics

NA: Not analyzed

NS: No standard

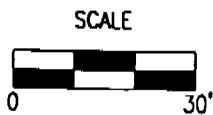
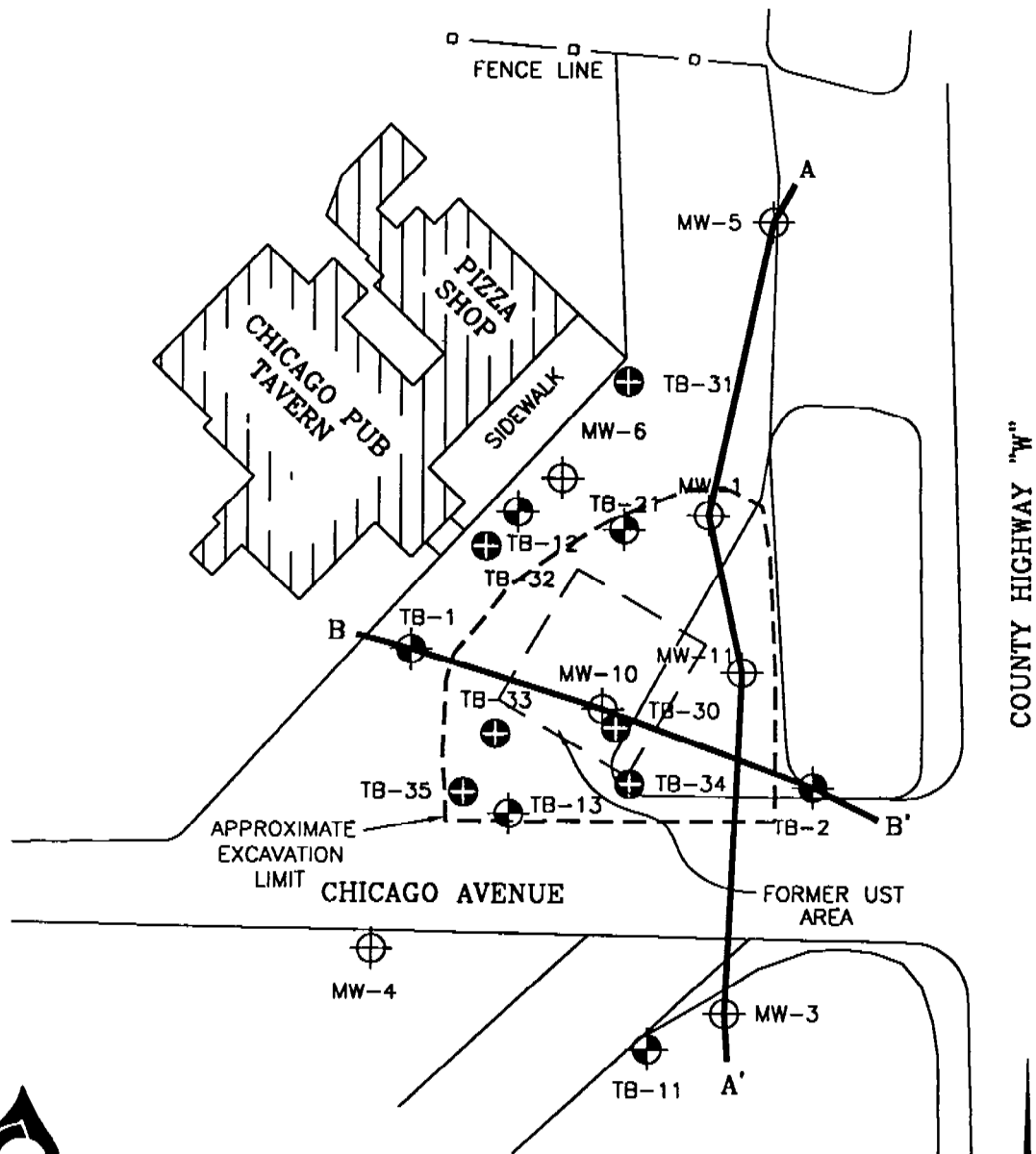
*: MW-10 was abandoned during excavation activities in May 1997. MW-21 was installed in the former location of MW-10.

Checked by: SAM Approved by: PA

DRAWING NO. 92.504.11
 DRAWN BY: LME
 11/12/97
 CHECKED BY: STW
 1/14/97
 APPROVED BY: DUA
 1/14/98

LEGEND

- ⊕ MONITORING WELL
- ⊙ TEST BORING
- ⊕ FEASIBILITY TEST BORING



Remedial Excavation (5/20-5/22/97)
Cross-Section Plan View
Chicago Pub, Inc. Site
Winchester, Wisconsin



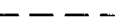
FIGURE NO.

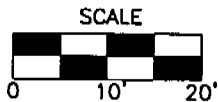
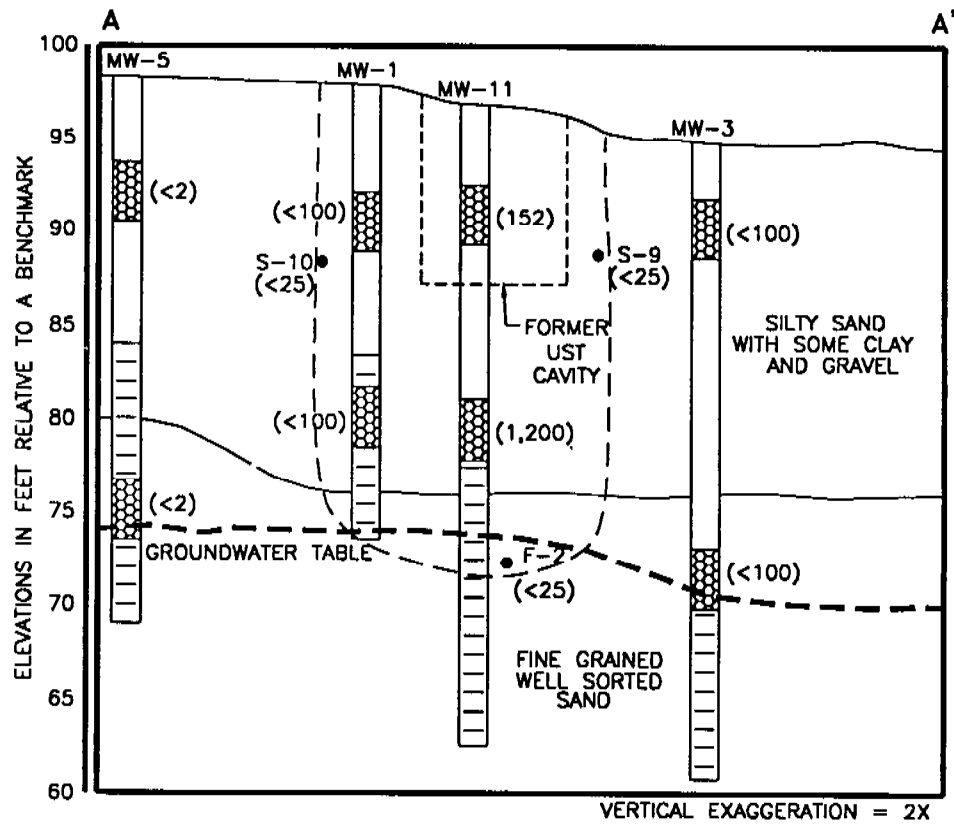
6

THE INTERPRETATIONS IN THIS FIGURE ARE BASED ON KNOWN POINTS IN TIME AND SPACE AND ARE INTEGRAL TO A WRITTEN REPORT AND SHOULD BE REVIEWED IN THAT CONTEXT.

DRAWING NO. 92.504.12
 DRAWN BY: LME
 CHECKED BY: SM-1
 APPROVED BY: PWA
 1/12/97
 1/24/98

LEGEND

-  BORING SAMPLE INTERVAL
-  SCREENED INTERVAL
-  LIMIT OF EXCAVATION
- () BENZENE CONCENTRATION IN ppb
- EXCAVATION SAMPLING LOCATION



Remedial Excavation (5/20-5/22/97)
Cross-Section A-A'
Chicago Pub, Inc. Site
Winchester, Wisconsin



FIGURE NO.

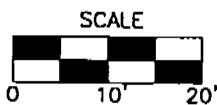
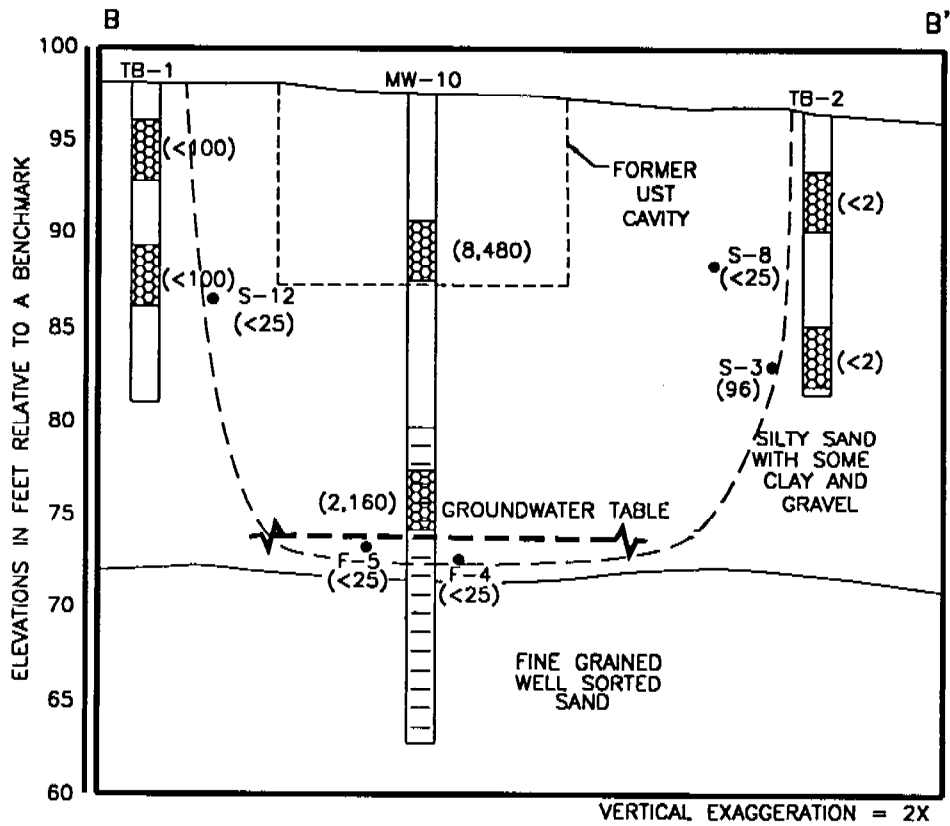
7

THE INTERPRETATIONS IN THIS FIGURE ARE BASED ON KNOWN POINTS IN TIME AND SPACE AND ARE INTEGRAL TO A WRITTEN REPORT AND SHOULD BE REVIEWED IN THAT CONTEXT.

DRAWING NO. 92.504.13
 DRAWN BY: LME 11/12/97
 CHECKED BY: SAM 1/12/97
 APPROVED BY: QWA 1/14/98

LEGEND

-  BORING SAMPLE INTERVAL
-  SCREENED INTERVAL
- LIMIT OF EXCAVATION
- () BENZENE CONCENTRATION IN ppb
- EXCAVATION SAMPLING LOCATION



Remedial Excavation (5/20-5/22/97)
Cross-Section B-B'
Chicago Pub, Inc. Site
Winchester, Wisconsin

FIGURE NO.

8

THE INTERPRETATIONS IN THIS FIGURE ARE BASED ON KNOWN POINTS IN TIME AND SPACE AND ARE INTEGRAL TO A WRITTEN REPORT AND SHOULD BE REVIEWED IN THAT CONTEXT.